GEM®

# EM-NH2300
# Double Mini Electromagnetic Lock

Patent:
ZL 2006 2 0122522.X
Nr. 20 2006 012 052.1
M308308
GB 06 1 6099.8
06 07229 (France)

## Features

- ***MOV provides spike and surge protection.***
- ***Magnetic bond sensor monitor output.***
- ***Anodized aluminum housing.***
- ***Groove template & housing for easy installation.***
- ***Dual voltage 12 or 24 VDC )selectable(.***
- ***Anti-Residual magnetism designed.***
- ***Complete mounting hardware included.***

## Statement

The NH series electromagnet lock is an important mounting plate design breakthrough. The mounting plate is designed with a well engineered sliding mechanism that makes electromagnet considerably easy to clasp the mounting plate to allow security of use and maximize the ease of installation.

## Specifications

- Voltage Tolerance: 15%
- Current Draw :500mA x 2@12Vdc 250mA x 2 @24Vdc )at 20 degree centigrade(
- Operating Temperature from -10 to 55 degree centigrade
- Humidity: 0~95% non-condensing.
- Holding Force: Up to 600 lbs x 2 (272 Kg x 2)
- Dimensions:
  Magnet:(L) 500, (W) 46, (D) 25 mm
  Armature Plate:(L) 185, (W) 38, (D) 12 mm
  Mounting Plate:(L) 500, (W) 25, (D) 5 mm
- Finishes for magnet and armature plate: Zinc
- Epoxy Potting Compound: E87252 (S), UL94V-0
- Weight (Approx.): 4.0 Kg

## Patent

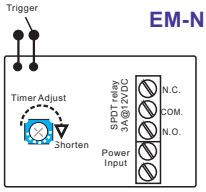
ZL 2006 2 0122522.X (China)
Nr. 20 2006 012 052.1(Germany)
M308308 (Taiwan)
GB 06 1 6099.8 (Great Britain)
06 07229 (France)

## Operating Features

**EM-NH2300M**: Bond sensor output & Status LED

Bond sensor is used to indicate the door status as in a locked or unlocked condition. Status LED is a visual feedback for user to give the true status of the lock at any time. Green light indicates the door is insecure

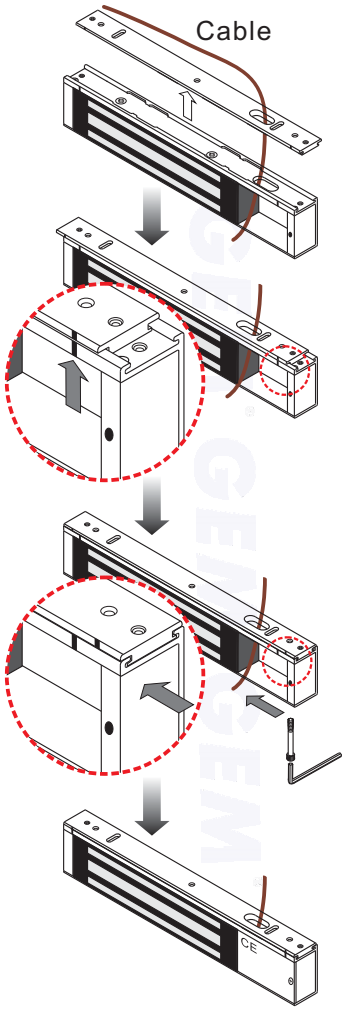
Bond sensor monitor output : SPDT rated: 3A@12VDC




**EM-NH2300M-TD**: Re-locking time delay

Relocking Time Delay Switch ensures the automatically turns to lock mode after the door is closed properly and it can be adjusted from 0 to 90 seconds.

## Special Mounting Plate design




Fasten the mounting plate on the site then install electromagnet lock with power lead cable through mounting plate slot hole.

For assembling the mounting plate and the electromagnet lock into the groove, please make the mark on the mounting plate and the mark on the electromagnet lock itself to be a straight line for alignment. Either aligning from left side or from right side is feasible.

Slide the electromagnetic lock to fit with the mounting plate as the drawing. Once the correct position is encountered, use the Allen Wrench to fasten the fixing screws through the bottom of the electromagnet lock into the mounting plate.

After the electromagnet firmly assembled with the mounting plate, use the screws to fasten the lock on the site permanently.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The products are manufactured under an ISO 9001 & QC 080000 Certified Quality Management Program environment back its product quality, performance and commitment to customer satisfaction.

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## Optional Brackets

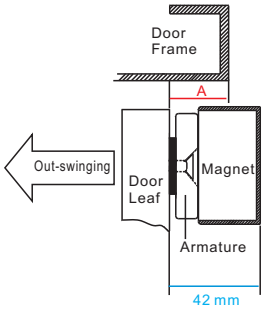
The door swinging direction and the door frame header are used to determine whether the bracket is required and this identify is a measure of which brackets is suitable. Our optional brackets include L-bracket, LZ-bracket and U-bracket.

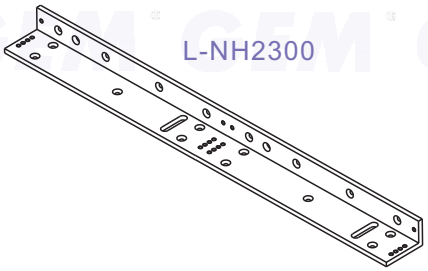
## Warranty

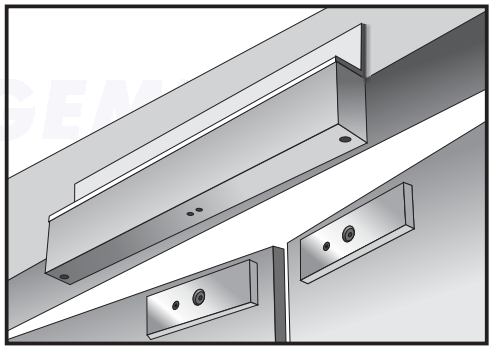
The product is warranted against defects in material and workmanship while used in normal service for a period of 5 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

### With L-bracket for narrow door frames

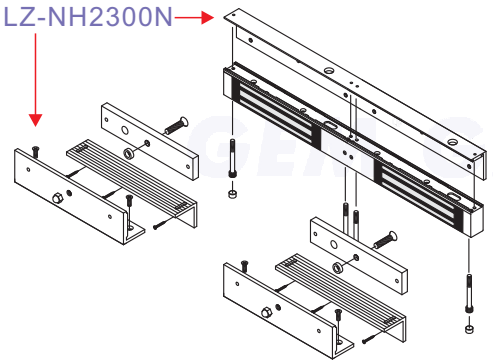
When "A" < 42 mm ,must installed with "L" brackets.

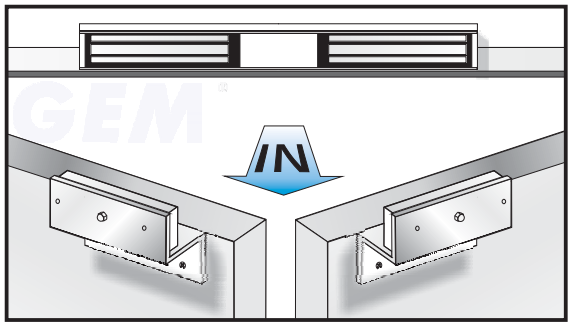


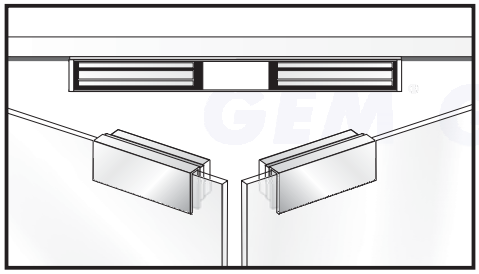
### With LZ-bracket for in-swinging doors

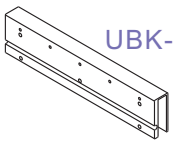


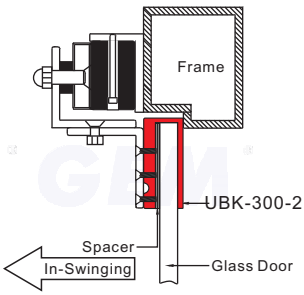




### With U-bracket for frameless glass doors

UBK-010 For 10mm thickness of glass door
UBK-012 For 12mm thickness of glass door






Suitable for use with frameless glass doors .After the door installs with the U-bracket, t he door will become a single swing (inward opening) The diagram shows the LZ-NH300N bracket installation instructions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